

Recombinant Mouse Pgk1 Protein, Myc/DDK-tagged

Cat. No. Pgk1-4819M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphoglycerate kinase 1 (Pgk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. Additionally, this protein is secreted by tumor cells where it participates in angiogenesis by functioning to reduce disulfide bonds in the serine protease, plasmin, which consequently leads to the release of the tumor blood vessel inhibitor angiostatin. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Many pseudogenes of this gene are found throughout the mouse genome.
Molecular Mass	44.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pgk1 phosphoglycerate kinase 1 [Mus musculus (house mouse)]

Official Symbol Pgk1

Synonyms PGK1; phosphoglycerate kinase 1; Pgk-1; MGC118097

Gene ID 18655

mRNA Refseq NM_008828

Protein Refseq NP_032854

UniProt ID P09411

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